

Inventor: PETROGIANNIS et al.
Docket No.: 9680.189USU1
Title METHOD AND SYSTEM FOR THE APPROVAL OF AN ELECTRONIC
DOCUMENT OVER A NETWORK
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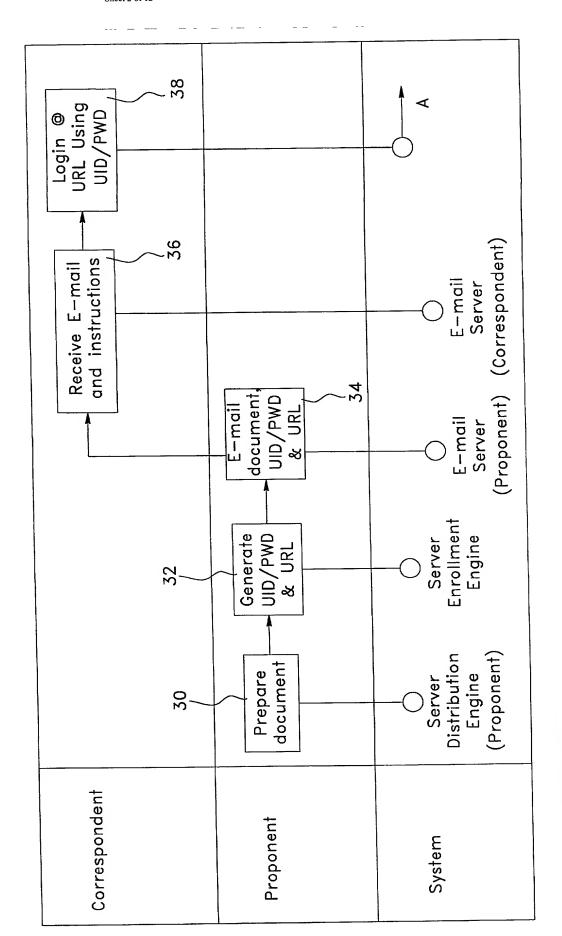


FIG. 2A

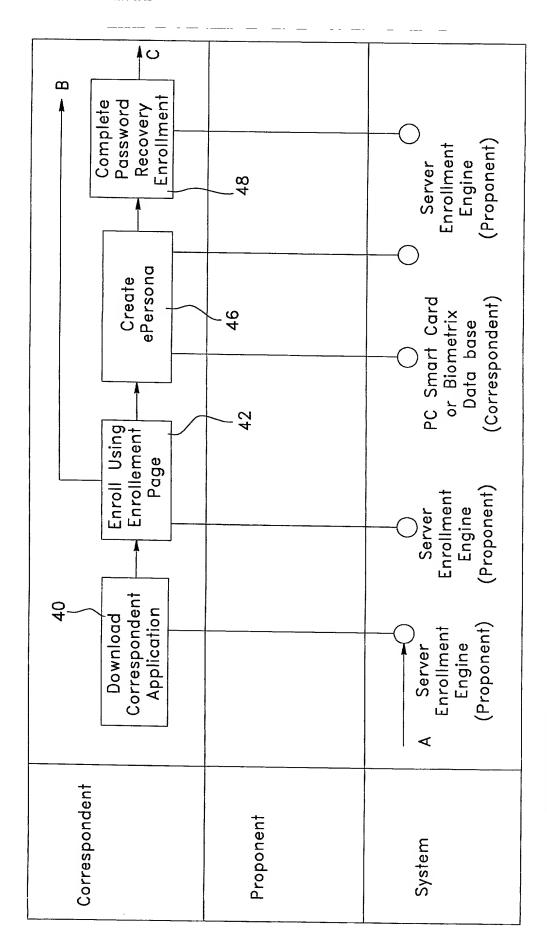
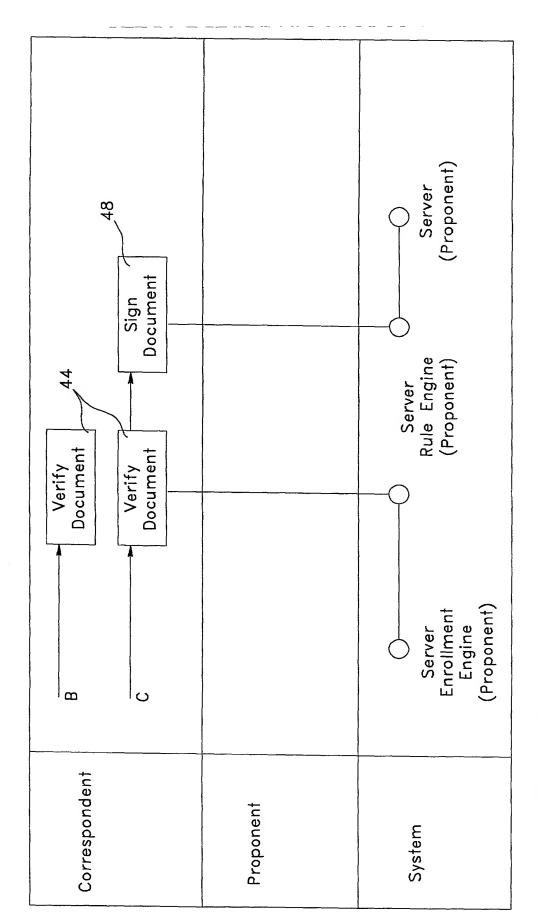
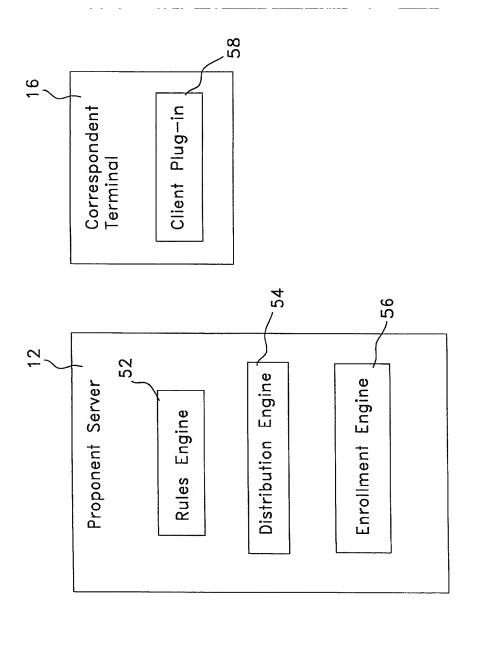


FIG. 2E

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Proponent Terminal Client Plug—in

FIG.

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Correspondent Correspondent signs or countersigns verifies 64 99 Correspondent Correspondent enrolls enrolls 62 9 Correspondent signs Correspondent enrollment Information prepare & sends document along with Correspondent Use Case 1: Use Case 2: Proponent verifies

The Correspondent receives the e-mail where the body of the message explains what needs to be done with the attached document

The Correspondent clicks on the URL in the $\mathrm{e}\mathrm{-mail}$ and is brought to a login page

The Correspondent logs in by entering the User ID & Password that was included in the body of the e-mail message

The Client Download

Applet is automaticaly downloaded to the Correspondent Web browser

The Client Download

Applet automaticaly determines and downloads the required components of the Client Plug—in to the Correspondent's desktop

FIG. 5A

The Correspondent is brought to the enrollment page to completes the enrollment process

The Correspondent verifies the document using the "Verify" command of the downloaded plug—in

The Client Plug—in communicates with the rules Engine at the Proponent's Server using the URL that as been embedded in the document when the Proponent initially prepared the document

The Client Plug—in verifies if the Correspondent has the right to verify the document using the Rules Engine and other relevant information about the Correspondent

The Client Plug—in complete the verification of the document

FIG. 5B

The Correspondent receives the e-mail where the body of the message explains what needs to be done with the attached document

The Correspondent clicks on the URL in the e-mail and is brought to a login page

The Correspondent logs in by entering the User ID & Password that was included in the body of the e-mail message

The Client Download

Applet is automatically downloaded to the Correspondent Web browser

The Client Download

Applet automatically determines and downloads
the required components of the Client Plug—in
to the Correspondent's desktop

The Correspondent is brought to the enrollment page to complete the enrollment process

FIG. 6A

The Correspondent is brought to the ePersona creation page

The resulting ePersona file is saved locally to a file, smart card, or Biometrix database on the Correspondent's desktop

The ePersona is also saved along with the certificate of the ePersona at the Erollment Engine of the Propenent's Server

The Correspondent is brought to the password recovery page to complete the enrollment process

The Correspondent is presented with three lists of questions and asked to pick one from each list and types in the response

The enrollment Engine of the Proponent's
Server stores the selected questions and the hash
of each answer, along with the password
of the ePersona file that is
hashed to stay protected

FIG. 6B

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The Correspondent sign the document using the "Sign" command of the Client Plug—in

The Client Plug—in uses the certificate or the e—mail of the Correspondent and communicates with the Rules Engine at the Proponent's Server using the URL that has been embedded in the document when the Proponent initially prepared the document

The Client Plug—in verifies if the Correspondent has the right to sign the document using the Rules Engine and other relevant information about the Correspondent

The Client Plug-in completes the signing of the document

The Proponent's Server records information about the operation

FIG. 6C

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The proponent prepares the document to be sent to the correspondent using the "Prepare" command of the client plug-in The proponent signs the document using the "Sign" command of the client plug-in The proponent prepares to e-mail the document to the correspondent using the "send-to" command of the client plug-in The client plug-in queries the enrollment engine at the proponent server to obtain a user ID and password for the correspondent's enrollment The client plug-in inserts the user ID and password in the e-mail along with a URL and attaches the document to the e-mail The client plug-in sends the e-mail and the attached document to the correspondent

FIG. 7